

1.3 Weekly Check

This check is to be completed by SNOLAB personnel. The purpose is to ensure that the fluids consumed in COUPP operation are well supplied. These fluids are the heater/chiller water bath and the compressed nitrogen for pressure cart operation.

Emergency contacts are:

Mike Cristler	Cell: (630) 276-8705	Work: (630) 840-4099
Jeter Hall	Cell: (801) 735-7433	Work: (630) 840-6660

1. Clean up known glycol leaks using the Glycol Spill Cleanup Procedure. If a new leak is found, report it to the Lab Coordinator who will contact Mike Cristler or Jeter Hall. Assume any leak is propylene glycol.
2. Check the water level of the NESLAB heater/chiller. Lift the bath lid. The water level should be between the lines on the back wall of the bath. If the level is near the bottom line, top up the bath with the RO water from the jug below the NESLAB. Wear goggles when topping up the fluid.
3. Check and log the nitrogen cylinder pressure. If the pressure drops below 500psi, replace the cylinder. To replace the cylinder,
 - a) Wear goggles.
 - b) Close the cylinder's valve. Turn up the regulator slightly and check that the cylinder side pressure reduces, then fully back off the regulator.
 - c) Close the valve that is after the regulator.
 - d) Use a 1-1/8" wrench from the COUPP toolbox to change the regulator over to the full cylinder.
 - e) Slowly open the full cylinder's valve and check for a gas leak at the cylinder valve using leak checking fluid.
 - f) Turn the regulator up to 50psi.
 - g) Open the valve after the regulator.
 - h) Update the status tags of both bottles.